#### PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/PL2004/000046 18.06.2004 24.07.2003 International Patent Classification (IPC) or both national classification and IPC B01L3/02 Applicant PZ HTL SPOLKA AKCYJNA This opinion contains indications relating to the following items: Box No. 1 Basis of the opinion Box No. II Priority ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited ☐ Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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### 10/563881

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/PL2004/000046

_		IAPZO Roci SCIAPTO 09 JAN 2006						
_	Box 1	No. I Basis of the opinion						
1. With regard to the language, this opinion has been established on the basis of the international application the language in which it was field, unless otherwise indicated under this item.								
	Ia	his opinion has been established on the basis of a translation from the original language into the following Inguage , which is the language of a translation furnished for the purposes of international search Under Rules 12.3 and 23.1(b)).						
2	. With reces	egard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:						
	a. type	e of material:						
		a sequence listing						
		table(s) related to the sequence listing						
	b. form	nat of material:						
		in written format						
		in computer readable form						
	c. time	of filing/furnishing:						
		contained in the international application as filed.						
		filed together with the international application in computer readable form.						
		furnished subsequently to this Authority for the purposes of search.						
<b>3</b> .	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.							
١.	Additional comments:							

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/PL2004/000046

-	Box No	). II	Priority					
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1. ☑ The following document has not been furnished:								
copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.								
translation of the earlier application whose priority has been claimed (Rule 43bis.1 a								
Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.								
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.							
3.	. Additional observations, if necessary:							
			•					
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step of industrial applicability; citations and explanations supporting such statement								
1.	Statement							
	Novelty (	(N)		Yes: No:	Claims Claims	1-4		
	Inventive	ste	ep (IS)	Yes: No:	Claims Claims	1-4		
	Industria	I ар	plicability (IA)	Yes: No:	Claims Claims	1-4		
,	Citations	and	d explanations					

see separate sheet

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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

#### Re Item V.

1 The following documents are referred to in this communication:

D1: US 5 435 197 A D2: US 6 532 837 B1 D3: US 4 187 724 A

Document D1, which is considered to represent the most relevant state of the art, discloses (the references in parenthesis applying to this document) an exchangeable pipette tip ejector assembly which is seated on the pipette body (see fig.4 and col.3, lines 8-29).

From this, the subject-matter of independent claims 1 and 3 differs in that two coaxial toothed wheels are engaged with two toothed bars formed on the push button (claim 1) or ejector pusher (claim 3) instead of one toothed wheel used in D1.

The subject-matter of claims 1 and 3 is therefore novel (Article 33(2) PCT)

The problem to be solved by the present invention may be regarded as reducing the force required to eject the tip from the pipette. This problem is solved by using two coaxial toothed wheels which make the same rotational movement around their common axis when the push button of the ejector is pressed. D1 neither discloses nor suggests the proposed solution.

Therefore, an inventive step can be acknowledged for the subject-matter of claims 1 and 3 (Article 33 (3) PCT).

3 Claims 2 and 4 being dependent on claims 1 and 3 respectively do as such also meet the requirements of the PCT with respect to novelty and inventive step.